



**INFRASTRUCTURE**

OUR VISION | YOUR SAFETY

*JANUARY 2021*

**M.K**

**INFRASTRUCTURE**

**(P) LTD.**

**OUR VISION, YOUR SAFETY**

# Corporate overview

## ABOUT US

**M**K Infrastructure (P) Ltd has been leading the industry in fabrication, supply of road safety furniture, construction of road infrastructure and building and construction works. With its successful partnerships on several high-risk projects with the Central and State government, The Indian Army and private companies, the company, over the past 30 years brings along great experience in serving with the same commitment it has for the past three decades.

Working towards fulfilling the nation's infrastructure goal, we at M.K Infrastructure have been committed to realizing these objectives.

30+

Years into the  
business

40+

Clients  
served

60+

Projects  
completed

5000+

Products  
delivered

### Our mission

M.K Infrastructure (P) Ltd has been committed to providing valued quality products at competitive prices with the highest standards of after service for over thirty years. We use the most advance and innovative technology to deliver quality solutions to our clients without limiting ourselves to any regional limits or boundaries.

### Our vision

Our company aims to emerge as an industry benchmark across each of its verticals through a combination of ethical standard, operating efficiency, product quality and superior service. We are committed to be a preferred partner for all our stakeholders through a consistent ability to enhance their respective value.

## **BRIEF HISTORY**

Our parent company O.P. Kandoi & Co. came into being in 1972 and soon rose to become Class 1 contractor with Central Public Work Department (CPWD). Keeping with the times and growing expectations from our company we decided to expand and diversify our activities. This is how M.K. Infrastructure (P) Ltd. was born in the year 2003 with its registered office in Siliguri, West Bengal. Our main focus is on providing and maintaining road safety systems of international standard.

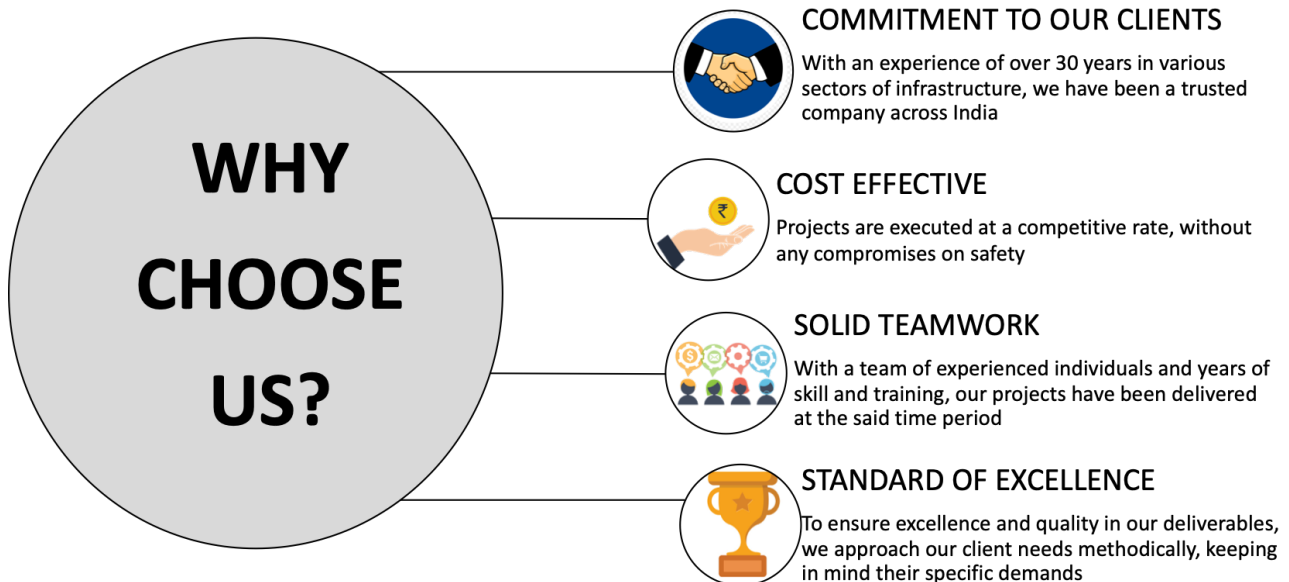
Till this time the modern road safety system existed mostly in metropolitan cities of our country and it was a new concept, especially in the North Eastern States, Sikkim and neighbouring countries such as Bhutan and Nepal.

With growing demands, the company expanded its operations to different states and union territories - Assam, Arunachal Pradesh, Meghalaya, Sikkim, New Delhi and Port Blair. Eventually, we also expanded our operations internationally with projects in Bhutan and Nepal.

Our present range of business includes:

- Designing, execution and construction of Buildings, State & National Highways and Bridges etc.
- Full range of latest Road Safety Systems which include Reflective Signage & Sheeting, Road Marking with Hot Thermoplastic Paint, Metal Crash Barriers/Guard Rails, Reflective Pavement Marker, Delineators, Acrylic Reflectors, LDS, Photo-Luminescent Signs, Modular Speed Breakers/Rumbler, Median Marker and Solar Powered Road Safety Equipment etc.
- Construction & supply of toilet blocks and bathing cubicles, etc.
- We undertake 'turn-key' projects also
- Subsequently, keeping in view diversification of activities, M K Infrastructure (P) Ltd entered into a contract with the Ministry of Defence During the year 2007 for providing and erecting Prefabricated shelters for troops in forward areas of Sikkim where sub-zero condition prevails throughout the year
- We also deal in execution and supply of rockfall protection system, flexible slope stabilisation system & flexible rockfall barrier that helps in preventing landslides, rockfalls, debris flow and avalanches

With the growing needs of a sustainable and a self-reliant future, the Indian government has taken up new initiatives and have developed several infrastructure policies. This has led our company to come up with innovative & sustainable solutions in the field of hybrid solar power, flexible rockfall barrier & slope stabilisation systems and light weight toilet/bio-toilets & bathing cubicles.



## OUR APPROACH

**1** **Understanding client's need**  
 Inception of any work demands knowing the needs of the client in order to develop a strategy.

**2** **Surveying the location**  
 After having understood the needs, surveying through the site is the next call for action

**3** **Designing the framework**  
 After a thorough investigation of the site, a road map is drawn for the execution of the project

**4** **Supply and Execution**  
 Based on the blueprint, the project is executed and the materials are supplied within the time period




# Our Products

## ROAD SAFETY FURNITURE

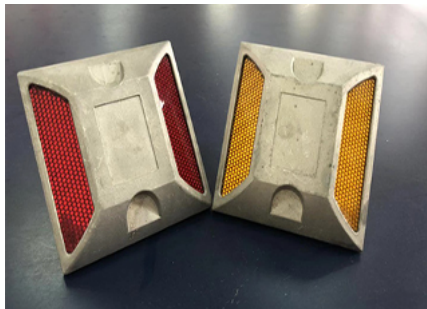
Working in this field for over 30 years, our company has dedicated itself to making the Indian roads safer. We have partnered with many government organizations to install quality road safety furniture at a competitive rate without compromising on the safety, efficiency, and durability of the products. Mentioned below are the different categories of road safety furniture available with us:

1. ROAD STUDS: Road Studs or road reflectors are devices made to provide visibility at night or in adverse weather conditions. They are available in plastic/abs, aluminum and solar

### A. ABS Road Stud

	<p><u>Dimension:</u> 100x100x20 mm</p> <p><u>Direction:</u> Two-way acrylic prismatic reflector</p> <p><u>Colour:</u> Yellow, White, Red</p>
	<p><u>Dimension:</u> 100x90x18 mm</p> <p><u>Direction:</u> Two-way acrylic prismatic reflector.</p> <p><u>Colour:</u> Yellow, White, Red</p>
	<p><u>Dimension:</u> - 100(L)x90 mm(W)x 18(H)mm</p> <p><u>Compressive Strength (Breaking Load):</u> 38,878 Kg</p> <p><u>Flexural Strength:</u> 1983 Kg Lens Impact</p>

## B. Aluminum Road Studs



Dimension: 100x100x20mm

Direction: Two way reflective

Reflector: Prismatic lense reflector

Colour: Yellow, White, Red

Available: With Inbuilt Shank



Dimension: 100x100x20mm

Direction: Two way Reflective

Reflector: 21 Glass Beads Each Side Length Anchoring

Shank: 50mm

Material: Aluminium Alloy Body

Colour: Yellow, White, Red

Available: With Nail or Shank



Dimension: 100x100x20mm

Direction: Two way Reflective

Reflector: 43 Glass Beads Each Side.

Colour: Yellow, White, Red

Available: With Nail or Shank

### C. Solar Road Stud

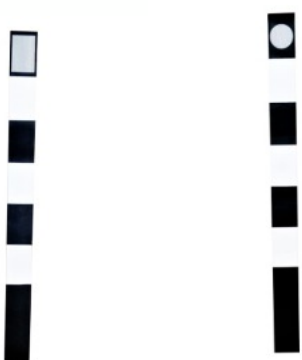
	<p><u>Dimension:</u> 110x110x72mm with shank</p> <p><u>Direction:</u> Two way Reflective</p> <p><u>LED:</u> 3 on each side</p> <p><u>Colour:</u> Amber and Red</p>
	<p><u>Dimension:</u> 132x122x72mm with shank</p> <p><u>Direction:</u> Two way Reflective</p> <p><u>LED:</u> 3 on each side</p> <p><u>Colour:</u> Amber and Red</p>
	<p><u>Dimension:</u> 132x122x72mm with shank</p> <p><u>Direction:</u> Two way Reflective</p> <p><u>LED:</u> 3 on each side</p> <p><u>Colour:</u> Amber and Red</p>

2. **DELINEATORS:** Delineators are ideally suitable for dangerous central verges, islands, sharp curves etc. High quality reflectors fixed on both sides make it highly visible in poor light conditions. They can be installed horizontally and vertically. Due to specially designed body and reflectors fixation method, their reflectivity remains for a longer shelf life.


### A. Rigid Reflector

	<p><u>Height:</u> 1200 mm</p> <p><u>Width:</u> 110mm x 34 mm</p> <p><u>Reflective area:</u> 300 Sq. Cms</p>
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### B. Metal Delineator


	<p><u>Dimension:</u> 100x 25x 1200 mm</p> <p><u>Reflective Tape:</u> HIP Grade- 80x120 mm or 80 Circle, Both Side</p> <p><u>Width:</u> 150mmx 100 mm x 3 nos Both Side</p> <p><u>Colour:</u> Black Powder Coating</p>
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### C. Guide Post

	<p><u>Direction:</u> Two way reflector Metal Body</p> <p><u>Colour:</u> Orange and White Combination</p> <p><u>Height:</u> 750mm, 1000mm, 1200mm</p>
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#### D. Solar Delineator

	<p><u>Light Dimension:</u> 70x70x100mm</p> <p><u>Pipe Dimension :</u> 48x1000mm</p> <p><u>Direction:</u> 360</p> <p>Degrees Round</p> <p><u>Light:</u> Protection with Top MS Mesh fitted</p> <p><u>Viewing Distance:</u> 500 meters</p> <p><u>Warranty:</u> 2 years</p>
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E. Spring Post: Flexible Posts are used to guide traffic or to provide warning of approaching hazards. You can use the Flexible Post in any situation where you must separate traffic simply and safely. It can be bolted to the floor using the base. It will allow emergency services to travel over them when needs be which makes it the most suitable option of separating traffic on busy public roads.

	<p><u>Height:</u> 750mm</p> <p><u>Upper Diameter:</u> 80mm</p> <p><u>Body Materials:</u> Strong Flexible UV Protected PU &amp; PVC</p> <p><u>Reflective Band:</u> High Intensity Reflective Light Material Crystal Lattice Weathering</p> <p><u>Resistance:</u> 3 years</p>
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	<p><u>Dimension:</u> Length 750mm x Width 250mm</p> <p><u>Weight:</u> 2.25 kgs</p> <p><u>Body Materials:</u> Moulded in ABS- PC Alloy, UV Stabilized</p> <p><u>Colour:</u> Yellow and Black</p>
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3. TRAFFIC CONE: Traffic cones are extremely durable, portable and brightly coloured. These can be a perfect partner in boosting safety measures to a higher level. We can see these in high danger zones like construction sites, crowded streets, corridors and hallways. These safety cones are very helpful in keeping work hazards away.

	<p><u>Height:</u> 750 MM</p> <p><u>Weight:</u> 3.5 Kgs</p> <p><u>Base:</u> 400 x 400 mm</p> <p><u>Material :</u> HDPE Reflective Tape</p> <p><u>Size:</u> 150mm</p>
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	<p><u>Height:</u> 750mm</p> <p><u>Weight:</u> 1.2 Kgs</p> <p><u>Base:</u> 385 x 385mm</p> <p><u>Material:</u> LDPE Reflective Tape</p> <p><u>Size:</u> 100mm</p>
	<p><u>Height:</u> 1000mm</p> <p><u>Weight:</u> 4.5 Kgs</p> <p><u>Base:</u> 500 x 500mm</p> <p><u>Material:</u> HDPE Reflective Tape</p> <p><u>Size:</u> 150mm</p>


4. SPEED BREAKER / PORTABLE SPEED BREAKER: Speed bumps are designed to get the drivers to reduce their speed at critical junctions. This could mean pedestrian areas crosswalks, toll collection booths, security gates etc. Our Polymer base Speed bump with Hexacore design has become the go-to standard for malls, institutions and toll booths.

A. Plastic

	<p><u>Body material:</u> Thermoplastic Engineering Alloy</p> <p><u>Dimension:</u> 250mm (L) x 350mm (W) x 50mm(H)</p>
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	<p><u>Body material:</u> Thermoplastic Engineering Alloy</p> <p><u>Dimension:</u> 500mm (L) x 380mm (W) x 75mm(H)</p>
	<p><u>Body material:</u> Thermoplastic Engineering Alloy</p> <p><u>Dimension:</u> 250mm (L) x 750mm (W) x 75mm(H)</p>
	<p><u>Body material:</u> Thermoplastic Engineering Alloy</p> <p><u>Dimension:</u> 500mm (L) x 380mm (W) x 50mm(H)</p>

B. Rubber: Long lasting and cost-effective rubber product maximum visibility, even at night, thanks to its flexible rubber material resistant to extreme temperature variations, UV light, oil and moisture, easy maintenance.


	<p><u>Body material:</u> Thermoplastic Engineering Alloy</p> <p><u>Dimension:</u> 500mm (L) x 130mm (W) x 25mm(H)</p>
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	<p><u>Body Material:</u> EPMD Rubber</p> <p><u>Colour:</u> Yellow and Black</p> <p><u>Dimension:</u> 500mm (L)x 350mm (W) x 50mm (H)</p>
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5. **MEDIAN MARKER:** The product is made of tough, impact-resistant thermoplastic body, reflectorized on either side using fluorescent yellow prismatic sheeting. It is designed to take rigors of natural weathering, making the product extremely durable.

	<p><u>Size:</u> 105mm x 105mm x 150mm</p>
	<p><u>Size:</u> 105mm x 105mm x 150mm</p>
	<p><u>Size:</u> 100mm X 100mm X 100mm</p>

- A. Flexible: This product ensures high visibility of medians/pavements in the night or rainy conditions.

	<p><u>Height</u> - 185 mm</p> <p><u>Width</u> – 125 mm</p>
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6. SOLAR ROAD PRODUCTS: Solar Road Products offered by us consist heavy duty panels, Technical Circuit, Operating systems and Battery for storage of Solar Energy in device.

- A. Solar Warning Light: The Solar Powered Warning Lights incorporate the latest photovoltaic technology into a compact efficiently designed solar powered barrier warning light package. The battery has rechargeable capabilities that replace a conventional system. By employing renewable energy, which is free, constant and non-polluting, the SOLAR Lights eliminate maintenance and disposal costs.

	<p><u>Height:</u> 15.5 cm</p> <p><u>Diameter:</u> 9 cm</p> <p><u>Function:</u> Flash Close ABS base</p> <p><u>LED:</u> 4 Pcs Led Fitted</p> <p><u>Battery:</u> Inbuilt</p>
	<p><u>Diameter:</u> 9 cm</p> <p><u>Function:</u> Flash Close ABS Base</p> <p><u>Led:</u> 4 Pcs Led Fitted</p> <p><u>Battery:</u> Inbuilt</p>

- B. Solar Flasher: The Solar Barricade Light provides unsurpassed performance by utilizing the power of the sun at your road side project.


	<p><u>Height:</u> 22cm</p> <p><u>Diameter:</u> 18cm</p> <p><u>Function:</u> Flash Close ABS base</p> <p><u>LED:</u> 6 Bright LED fitted</p> <p><u>Battery:</u> Inbuilt</p>
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- C. Solar Blinker Traffic Light: Manufactured using a superior quality raw material, these Traffic blinker signals are known for their uninterrupted operations and self-generated power. Owing to their microcontroller-based charge regulator and solar panel assembly, these Blinker Lights are widely demanded by the clients.

	<p><u>Size:</u> 200 mm</p> <p><u>Body Material:</u> Polycarbonate Body</p> <p><u>Solar Panel:</u> 20 W with micro controlled solar charger</p> <p><u>LED:</u> 22 Bright LED Encapsulated in Convex Lense</p> <p><u>Battery:</u> 4.5 AH</p> <p><u>Warranty:</u> 1 year</p>
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	<p><u>Size:</u> 300 mm</p> <p><u>Body Material:</u> Polycarbonate Body</p> <p><u>Solar Panel:</u> 20 W with micro controlled solar charger</p> <p><u>LED:</u> 172 Bright LED</p> <p><u>Battery:</u> 7 AH</p> <p><u>Warranty:</u> 1 year</p> <p>Also, available in Metal Body and 400 mm Diameter.</p>
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- D. Solar Mobile Traffic Light: Solar mobile traffic lights are built around the idea that if an actual installed system is failed, the mobile system can be towed to the troubled site and placed in a matter of few minutes. It works practically like an actual Intersection Light for 3 working days even if the power supply is disconnected. It is also useful at accident site.

	<p><u>Size:</u> 300mm (Powder Coated)</p> <p><u>Body Material:</u> CRC Sheet of 1mm Metal Platform</p> <p><u>Light Material:</u> Polycarbonate</p> <p><u>Led:</u> 61 Bright Led Encapsulated In convex lens</p> <p><u>Battery:</u> 12 Volts 65 AH.</p>
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## E. Solar Sign Board

	<p><u>Dimension:</u> 450x600x52mm</p> <p><u>Direction:</u> Moving and Blinking</p> <p><u>Solar Panel:</u> 5 Watts Panel with Micro Controlled Solar Charger</p> <p><u>LED:</u> 35 Bright LED Encapsulated in Convex Lense</p> <p><u>Battery:</u> Lion 6, 4.5 Ah Battery</p>
	<p><u>Dimension:</u> 600mm Circular</p> <p><u>Direction:</u> Moving and Blinking</p> <p><u>Solar Panel:</u> 5 Watts Panel with Micro Controlled Solar Charger</p> <p><u>LED:</u> 130 Bright LED Encapsulated in Convex Lense</p> <p><u>Battery:</u> Lion 6, 4.5 Ah Battery</p>
	<p><u>Dimension:</u> 900mm Triangle</p> <p><u>Direction:</u> Moving and Blinking</p> <p><u>Solar Panel:</u> 5 Watts Panel with Micro Controlled Solar Charger</p> <p><u>LED:</u> 130 Bright LED Encapsulated in Convex Lense</p> <p><u>Battery:</u> Lion 6, 4.5 Ah Battery</p>

7. RUBBER PARKING SAFETY PRODUCTS: These products are ideally suited for use in areas like car parks, warehouses and other applications. Some of its features include safeguarding vehicles from possibility of dents and scraping.


A. Corner Guard (L shape and Round Shape)

	<p><u>Dimension:</u> 800, 900, 1000 and 1200 mm</p> <p><u>Body Material:</u> Rubber</p> <p><u>Reflectors:</u> High Quality Retro Reflective</p>
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B. Wheel Stopper

	<p><u>Dimension:</u> 500x160x152mm 600x120x100mm</p> <p><u>Body material:</u> Rubber</p> <p><u>Reflectors:</u> High Quality Retro Reflective</p>
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C. Dock Bumper

	<p><u>Dimension:</u> 450x240x100mm</p> <p><u>Body material:</u> Rubber</p> <p><u>Reflectors:</u> High Quality Retro Reflective</p>
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#### D. Wheel Clock

	<p><u>Dimension:</u> 275x225x250 mm 375x200x225 mm</p> <p><u>Body Material:</u> Rubber</p> <p><u>Reflectors:</u> High Quality Retro Reflective</p>
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8. CONVEX MIRROR: Convex Mirror is ideal for any area where an unobstructed view is required. The mirror faces are manufactured from shatterproof acrylic and come with heavy duty fittings and will provide years of maintenance free service.

	<table border="1"> <thead> <tr> <th>Diameter</th> <th>Body Material</th> <th>Weight</th> <th>Packing Size</th> <th>Fixing Measure</th> </tr> </thead> <tbody> <tr> <td>450 mm /18 inch</td> <td>Polycarbonate</td> <td>2160 gms</td> <td>18x20 inch</td> <td>Camps and Bolts</td> </tr> <tr> <td>600 mm /24 inch</td> <td>Polycarbonate</td> <td>2600 gms</td> <td>24x24 inch</td> <td>Camps and Bolts</td> </tr> <tr> <td>800mm /32 inch</td> <td>Polycarbonate</td> <td>5080 gms</td> <td>33x33 inch</td> <td>Camps and Bolts</td> </tr> <tr> <td>1000mm/ 39 inch</td> <td>Polycarbonate</td> <td>6920 gms</td> <td>39x39 inch</td> <td>Camps and Bolts</td> </tr> </tbody> </table>	Diameter	Body Material	Weight	Packing Size	Fixing Measure	450 mm /18 inch	Polycarbonate	2160 gms	18x20 inch	Camps and Bolts	600 mm /24 inch	Polycarbonate	2600 gms	24x24 inch	Camps and Bolts	800mm /32 inch	Polycarbonate	5080 gms	33x33 inch	Camps and Bolts	1000mm/ 39 inch	Polycarbonate	6920 gms	39x39 inch	Camps and Bolts
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9. SAFETY BARRICADES: Road barrier is a good alternative and has stood the test of time stackable FRB-1 ST are perfectly ideal for use as Road Barriers, Parking & Security Barriers, Toll Plaza Barriers and Highway Barriers.


Strong construction prevents damage due to vehicular impact; these barriers can also be filled with up to 50 Ltrs water for added stability. Designed with the purpose of channelling pedestrians and vehicles in construction zones, these lightweight barriers can be easily removed and set up in very little time.

	<p><u>Dimension:</u> 1000(L)x500(W)x800(H)mm</p> <p><u>Water Filling Capacity:</u> 15 Litre</p> <p><u>Colours:</u> Red and White</p>
	<p><u>Dimension:</u> 2100(L)x600(W)x840(H)mm</p> <p><u>Effective Length:</u> 2000mm (2 meter barricade)</p> <p><u>Water Filling Capacity:</u> 80 Litre</p> <p><u>Colours:</u> Red and Yellow</p>
	<p><u>Dimension:</u> 2020(L)x400(W)x1265(H)mm</p> <p><u>Effective Length :</u> 2000mm( 2 meter barricade)</p> <p><u>Colours:</u> Red and Yellow</p>
	<p><u>Dimension:</u> 1640 (L)X400(W)X1000(H)mm</p> <p><u>Effective Length:</u> 1500mm (1.5 meter barricade)</p> <p><u>Water filling capacity:</u> 50 Ltr</p> <p><u>Colours:</u> Red and Yellow</p>


- A. Que-Manager: This product is widely used to manage crowd or queues in an organized manner. Our range is made available to the clients in varied specifications to meet the exact requirements of the clients.

	<p><u>Base:</u> 320mm</p> <p><u>Height:</u> 910mm</p> <p><u>Weight:</u> 7/10 kg</p> <p><u>Feature:</u> Easy to install, Durable standards, Perfect Design.</p>
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- B. Wheel Clamp Lock: This product is used for anti-theft of vehicles. It can be used to lock the vehicles in parking, traffic violation, parking violation.

	<p><u>Material:</u> Made from heavy gauge hardness steel with locking system.</p> <p><u>Size:</u> 490mm x 240mm x 70mm</p> <p><u>Features:</u> It can be adjusted to fit 7 to 11 inches width tire. It is difficult to open without special tools.</p>
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- C. Reflective Safety Jacket: These jackets have great reflectivity and make an individual visible at night or day.

	<p>These jackets are fabricated using advanced scientific and technical fabric and film tapes which enhances person's visibility from maximum and longest distances. They are fluorescent in colour and are UV stabilised.</p>
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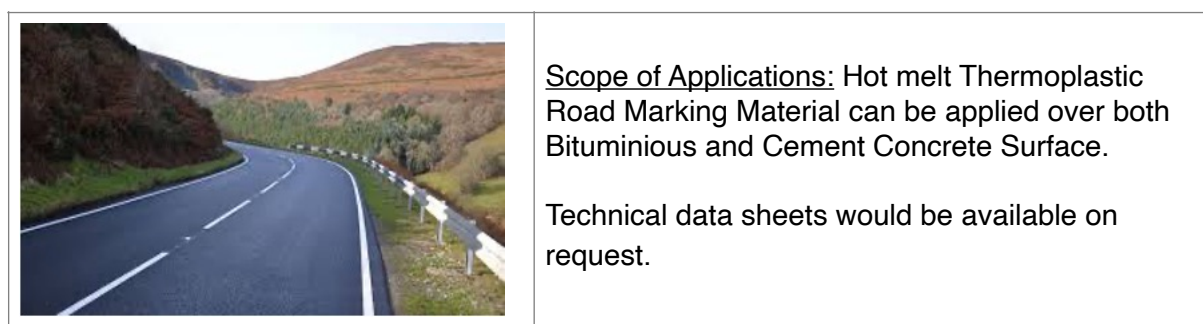
10. Other Accessories for Road Safety :



11. EPOXY ADHESIVE: These are used for road studs, median marker, speed breaker, delineator, spring post and other road furniture. The adhesive is based on specialize epoxy system (Resin and hardener and sand) to provide excellent adhesion of cat eye, speed breaker and other road furniture to the base of the road surface concrete.

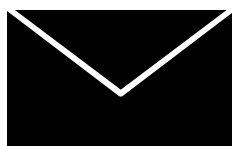


12. THERMOPLASTIC ROAD MARKING PAINT: This road marking material is a synthetic resin-based thermosetting material which contains 100% thermoplastic solids and is both environment-friendly and solvent-free. It is also cost friendly, durable, reflective and highly visible.



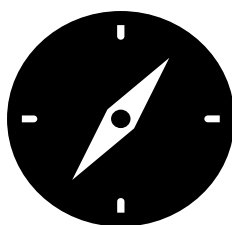
## Contact us

For any technical queries about our products, you can write to us or call us:



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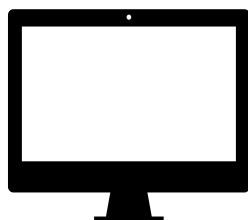
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